

CMP v1.0.1 karltrn.com 2022-01-05

Step	Qty	Reference(s)	Value	Footprint	Note
1	1	C1	10u	Capacitor_THT:CP_Radial_D5.0mm_P2.50mm	
2	1	C2	100n	Capacitor_THT:C_Disc_D5.0mm_W2.5mm_P2.50mm	
3	4	D3, D4, D5, D6	1N4148	Diode_THT:D	careful with orientation
4	1	J7	Conn_02x05	PinHeader_2	power inlet, shrouded
5	4	R1, R2, R5, R6	100K		
6	2	R3, R4	1M		pull-down
7	2	R7, R8	10K		
8	2	R9, R10	47K		LED brightness control
9	2	R11, R12	1K		output dropper, could be other values
10	1	U1	LM358	DIP-8_W7.62r2r	opamp
assemble steps 11,12,13 with faceplate before soldering them					
11	2	RV1, RV2	B100K	Potentiometer_Alpha_RD901F-40-00D_Single_Vertical	
12	1	D1,D2	LED 5mm		orientation matters; see flat side marking
13	6	J1,J2,J3,J4,J5,J6	Jack	europi:Thonkiconn	